display screen displaying the input key assigned by the key assignment means and an arithmetic operation display screen displaying an operation result obtained from the arithmetic operations performed by the arithmetic operation section, together in a single screen.

REMARKS

Careful consideration has been given to the Official Action of June 14, 2002 and reconsideration of the application as amended is respectfully requested.

The Examiner has rejected pending claims 8 and 9 under 35 U.S.C. § 103 as being unpatentable over Takahara, et al.

Claims 8 and 9 have been amended and as now presented are no longer subject to rejection on the Takahara patent.

The amendments to claim 8 are supported at least by the embodiment 5 as set forth in the disclosure.

The Takahara, et al. patent does not teach display of a virtual keyboard. The purpose of the invention in Takahara, et al. is to provide an interface substituting for a keyboard for users of the equipment who are not accustomed

to operate a conventional keyboard. Takahara, et al. teaches the display of index display images on a display device. (See column 1, lines 28-32 and column 8, lines 54-58).

Therefore, the teaching in Takahara of providing an interface substituting for a keyboard teaches away from the invention in which a keyboard is displayed in a display device, albeit a virtual keyboard. Therefore, amended claims 8 and 9 which include the keyboard in the display are not obvious from Takahara, et al. and are patentable thereover.

Early and favorable reconsideration of the application and allowance of claims 8 and 9 is therefore earnestly solicited.

Respectfully submitted,

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Marked-up Copy of the Claims

8. (Amended) A head-[mounted] mount image display device wherein a [liquid crystal display panel spatial light modulator and an [enlarging] optical system are housed in a frame and wherein [images] an image generated on [said liquid crystal display panel] the spatial light modulator [through said enlarging optical system is visible in the field of view in front of said frame, having] is visible in the frame through the optical system, comprising;

an input device [with a sensor for inputting signals, and] configured so as to detect positional information;

an image generation means [for assigning input keys to locational information from said input device and synthesizing on/off information on the input keys and the] capable of generating an image of a virtual keyboard on the spatial light modulator; and

a means configured so a to identify a key of the virtual keyboard in the image in the case where a position represented by positional information falls within an area of the key.

9. (Amended) A head-[mounted] mount image display device wherein a liquid crystal display panel and an enlarging optical system are housed in a frame and wherein [images] an image generated on [said] the liquid crystal display panel [through said enlarging optical system are visible in the field of view in front of said frame, having] is visible in the field of view in front of said frame through the enlarging optical system, comprising:

an input device with a position detection sensor, for inputting signals; [and]

[an image generation means for assigning input keys to locational information from said input device and synthesizing on/off information on the input keys and the]

a key assignment means for an input key corresponding to positional informaiton sent from the input device;

an arithmetic operation section for perorming arithmetic operations based on data corresponding to the input key assigned by the key assignment means; and

an image synthesizing means for displaying both a virtual keyboard display screen displaying the input key assigned by the key assignment means and an arithmetic operation display screen displaying an operation result obtained from the arithmetic operations performed by the arithmetic operation section, together in a single screen.

[results of arithmetic operations to allow said liquid crystal display panel to generate synthesized images]